

Patent Abstracts of Japan

0308 A

PUBLICATION NUMBER : 11249450

PUBLICATION DATE : 17-09-99

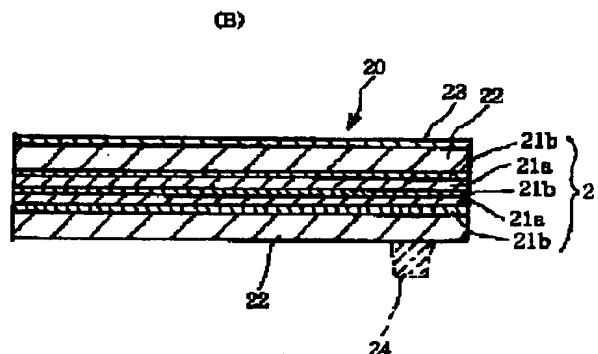
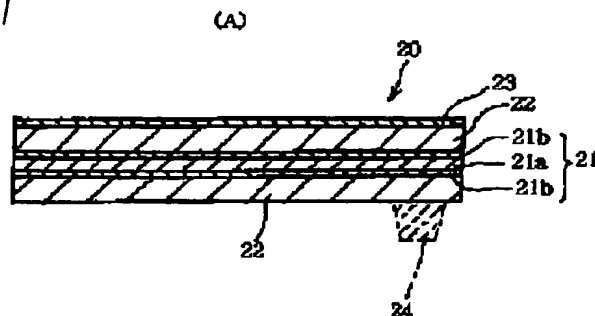
APPLICATION DATE : 03-03-98

APPLICATION NUMBER : 10067933

APPLICANT : BRIDGESTONE CORP;

INVENTOR : KURIMOTO ITARU;

INT.CL. : G03G 15/16

TITLE : INTERMEDIATE TRANSFER BELT AND
INTERMEDIATE TRANSFER DEVICE

ABSTRACT : **PROBLEM TO BE SOLVED:** To make surely obtainable an excellent image having neither distortion nor irregularity by constituting an intermediate transfer belt of one or more fiber layers and an elastic layer laminated on one side or both sides of the fiber layer, and specifying an elongation rate in the width direction of the intermediate transfer belt.

SOLUTION: This intermediate transfer belt is constituted by laminating the elastic layers 22 and 22 on both sides of the fiber layer 21, and further forming an resin layer 23 on the surface of either elastic layer 22. Furthermore, the elongation rate in the width direction of the intermediate transfer belt is set to 0.3 or more times as high as the elongation rate in the peripheral direction thereof. Thus, the intermediate transfer belt stably travels without causing the elongation or the contraction in its width direction at the time of traveling, so that the excellent image having neither distortion nor irregularity is surely obtained. The fiber layer 21 is formed by using natural fiber such as hemp or wool and woven fabric or nonwoven fabric made of synthetic resin such as nylon or vinylon. The material of the elastic layer 22 is not limited particularly and resin such as urethane, rubber or its foaming body is used as the material thereof. Then, it is good to form the resin layer 23 by using a resin incorporating a fluororesin.

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